

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-27: (Canceled)

28. (New) A method for increasing or decreasing development of a plant or plant cell, compared to a wild-type plant or plant cell of the same plant species, said method comprising:

increasing or decreasing expression of a RKS4 gene in the plant or plant cell by recombinant means, said RKS4 gene comprising the nucleotide sequence as set forth in SEQ ID NO: 46,

wherein increasing expression of the RKS4 gene increases the development and decreasing expression of the RKS4 gene decreases the development.

29. (New) The method of claim 28, wherein the development is selected from the group consisting of: organ formation, organ size, and rate of cell division.

30. (New) The method of claim 29, wherein the organ comprises a vegetative organ.

31. (New) The method of claim 29, wherein the organ comprises a reproductive organ.

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Applicant: Eduard Daniel Leendert Schmidt

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32. (New) The method of claim 29, wherein the organ is selected from the group consisting of a leaf, shoot, root, flower, pollen, and seed.

33. (New) A method for providing pathogen resistance to a plant or plant cell comprising increasing expression of a RKS4 gene in the plant or plant cell by recombinant means, said RKS4 gene comprising the nucleotide sequence as set forth in SEQ ID NO: 46, wherein an increase in the expression of the RKS4 gene provides pathogen resistance to the plant or plant cell.